THE REPORT OF THE PROPERTY OF

Kinetics of Oxidation ...

ن بروده ۵ 5/186/61/003/003/013/018 E071/E435

dependence of the proportion of uranium oxidized by the fast acting part of the oxidants on its concentration was determined experimentally and also calculated by means of

% 
$$U_f = 100 \frac{[U_f]}{U_o}$$
 =  $100 \frac{C_o}{U_o} (0.5 + 0.07 [H^+])$ 

% Uf characterizes the relative participation of the fast acting parts of the oxidizer and not the part Uo which is oxidized with ClO2; only in the case of excess quantities of the oxidizer will these values be identical. The agreement between the calculated and experimental values confirmed the correctness of the views expressed on the oxidation of uranium by hypochlorite. There are 3 figures, 3 tables and 15 references: 9 Soviet-bloc and 6 non-Soviet-bloc. The reference to the English language publication reads as follows: J.F. White, M.C. Taylor, G.P. Vincent, SUBMITTED:

May 24, 1960

Card 3/3

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1:

89354

s/089/61/010/002/004/018 B102/B209

21.33.00 AUTHORS:

Kanevskiy, Ye. A., Pchelkin, V. A.

Tirle:

On the interaction between solid UO2 and MnO2 in sulfurio acid solution

PERIODICAL:

Atomnaya energiya, v. 10, no. 2, 1961, 138-142

TEXT: The widely spread use of pyrolusite in the extraction of uranium from ores by means of sulfuric acid, wherein pyrolusite undoubtedly plays the role of an oxidizer, makes it necessary to investigate carefully the mechanisms of UO2 - MnO2 reactions and the effects thereon as exerted by degree of mixture, component ratio, H2SO4 concentration, pre-extraction of oxides, So far, these problems have been studied only generally in the frame of uranium extraction processes; the present paper devotes to them a special treatise. The mentioned reaction mechanism is usually written as  $^{UO}_2$  +  $^{MnO}_2$  +  $^{2H}_2$ SO<sub>4</sub>  $\rightarrow$   $^{UO}_2$ SO<sub>4</sub> +  $^{MnSO}_4$  +  $^{2H}_2$ O or as  $^{UO}_2$  +  $^{MnO}_2$  +  $^{4H}_1$  $\rightarrow$   $^{UO}_2$ + Mn + 2H20. Experimental checking of this equation showed that the molar

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On the interaction ...

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ratio of the two components was equal to unity. This equation was taken as basis of the further investigations. It may be assumed that first, one of the oxides is dissolved in the acid medium and that then a heterogeneous redox-process takes place. In this case, the UO2-MnO2 reaction is des-

(I)  $\begin{cases} UO_{2(\tau)} + 4H_{(aq)}^{*} \rightarrow U_{(aq)}^{*} + 2H_{2}O_{(m)}; & (a) \\ U_{(aq)}^{*} + MnO_{2(\tau)}^{*} \rightarrow UO_{(aq)}^{*} + Mn_{(aq)}^{*} & (b) \end{cases}$   $UO_{2(\tau)} + MnO_{2(\tau)}^{*} + 4H_{(aq)}^{*} \rightarrow OO_{2(\tau)}^{*} + Mn_{(aq)}^{*} + 2H_{2}O_{(m)}^{*} + OO_{2(\tau)}^{*} + 4H_{(aq)}^{*} \rightarrow OO_{2(\tau)}^{*} + 4H_{(aq)}^{*} \rightarrow OO_{2(\tau)}^{*} + 2H_{2}O_{(m)}^{*}; & (a) \\ Mn_{(aq)}^{*} + UO_{2(\tau)}^{*} \rightarrow Mn_{(aq)}^{*} + UO_{2(aq)}^{*}. & (b) \end{cases}$ 

However, it may also be assumed that UO is dissolved first, and then MnO 2, and that then the hexa- and tetravalent uranium ions homogeneously enter

Card 2/5

89354 S/089/61/010/002/004/018 On the interaction .. B102/B209  $UO_{2_{(\tau)}} + 4\Pi_{(aq)}^{\bullet} \rightarrow U_{(aq)}^{4\bullet} + 2H_2O_{(m)};$  (a)  $MnO_{2(1)} + 4H_{(aq)} \rightarrow$  $\rightarrow \operatorname{Mn}_{(aq)}^{4*} + 2\operatorname{H}_2\operatorname{O}_{(m)};$ (III) $U_{(aq)}^{4} + Mn_{(aq)}^{4} + 2H_2O_{(m)} \rightarrow$  $\rightarrow$  UO $\frac{1}{2(aq)}$  + Mn $\frac{1}{2(aq)}$  + 4H $\frac{1}{2(aq)}$ . The dependence of the reaction rate in the case of constant UO, content on the MnO, excess was examined and compared with the stoichiometric ratio. The same was made for UO, excess. "y"(ch)-type MnO, and "xy"(kh.ch.)-type H2SO were used in the investigations; [Abstracter's note: "ch" means "pure", and 4"kh.ch." "chemically pure"]. The results show a solid-state reaction  $UO_{2(\tau)}+MnO_{2(\tau)} \rightarrow UO_{3(\tau)}+MnO_{(\tau)};$  (a)  $\left\{ UO_{3_{(7)}} + 2H_{(aq)}^* \rightarrow UO_{3_{(aq)}}^* + H_{2}O_{(m)}; \right\}$  (6)  $MnO_{(\tau)} + 2H_{(\alpha q)}^{\downarrow} \longrightarrow Mn_{(\alpha q)}^{2} + H_2O_{(m)}.$  (B) Card 3/5

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On the interaction ..

S/089/61/010/002/004/018 B102/B209

is another possible reaction. [Abstracter's note: The subscript (T) indicates the solid, the subscript (X) the liquid phase]. Also some other facts speak in favor of the latter possibility so that the process IV appears to be the most probable one; however, the others must not be excluded. Moreover, the effect of the surface condition of the reacting components upon the reaction mechanism was studied. UO<sub>2</sub> and MnO<sub>2</sub> were powdered, put into reaction in 0.5 N H<sub>2</sub>SO<sub>4</sub> at 20°C (4 hrs.), and the degree of reaction was determined on various conditions. Grinding of the two oxides, in particular simultaneously, showed to stimulate the reaction considerably (unground: 12%, separately ground: 45%, simultaneously ground: 83%) which again speaks for IV. However, radiographic examinations showed that UO<sub>2</sub> and MnO<sub>2</sub> in the form of a dry powder mixture practically do not react (<0.1%). An investigation as to whether the solid-to-liquid ratio affects the degree of reaction gave a negative result (the degree of reaction remained practically unchanged from 1:1 to 1:20). Thus, all experimental data favor IV upon which process, above all, steric factors exert an influence. Finally, the effect of iron ions was examined with the

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On the interaction ...

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result that the reaction scheme

(V) 
$$\begin{cases} UO_{2(\tau)} + 2Fe_{(a\eta)}^{2} \to UO_{2(ac)}^{2} + 2Fe_{(a\eta)}^{2}; & (a) \\ 2Fe_{(aq)}^{2} + MnO_{2(\tau)} + 4H_{(aq)}^{2} \to 2Fe_{(aq)}^{2} + \\ + Mn_{(aq)}^{2} + 2H_{2}O_{(m)} & (6) \end{cases}$$

holds. Since uranium minerals extracted from ores are practically always containing iron, the scheme V may be employed to represent the reaction. In conclusion, the authors thank V. G. Romanova and L. V. Zverev for their co-operation and discussions. There are 1 figure and 16 references:

SUBMITTED: July 5, 1960

Card 5/5

21415 S/089/61/011/006/013/014 B101/B102

21.4300 AUTHORS:

Kanevskiy, Ye. A., Pchelkin, V. A.

TITLE:

Activation energy of uranium dioxide dissolution in a sulfuric-acid medium in the presence of manganese dioxide

PERIODICAL: Atomnaya energiya, v. 11, no. 6, 1961, 549-550

TEXT: Starting from the widespread use of pyrolusite in leaching uranium from ores by sulfuric acid, the authors studied the activation energy of the process  $UO_2 + MnO_2 + 2H_2SO_4 \longrightarrow UO_2SO_4 + MnSO_4 + 2H_2O$ . The influence of temperature was investigated between 20 and  $80^{\circ}$ C.  $UO_2$  obtained by reduction of  $U_3O_8$  by hydrogen at  $900^{\circ}$ C was used. It contained 90% of U(IV) related to U(IV) + U(VI). Particle size of initial oxides did not exceed 0.074 mm. Temperature, ratio  $UO_2$ :  $MnO_2$ , and time of test were altered. It was found that the amount of dissolved  $UO_2$  at  $20^{\circ}$ C increased 8% with  $MnO_2$ :  $UO_2 = 5$ : 1; approximately 14% at a ratio of 25: 1; about Card 1/2

21),15 \$/089/61/011/006/013/014 B101/B102

Activation energy of uranium ...

30% at a ratio of 125 : 1). Dissolution of UO<sub>2</sub> in the absence of MnO<sub>2</sub> was taken into account by check tests. The rate of UO<sub>2</sub> dissolution in the presence of MnO<sub>2</sub> as an oxidizer follows the equation of Arrhenius (linear dependence of the logarithm of rate on 1/T). An activation energy of 6 kcal/mole was ascertained from this equation. It is pointed out that tion of two solid phases with a solution. There are 2 figures and 3 references: 2 Soviet and 1 non-Soviet. The reference to the English-AIME, 212, 597 (1958).

SUBMITTED:

November 9, 1960

Card 2/2

X

A STANDARD OF THE PROPERTY OF

FEDOROVA, L.A.; KANEVSKIY, Ye.A.

Effect of the medium on the exidation of uranium (IV) by chlorate. Radiokhimia 4 no.4:502-504 '62. (MIRA 15:11) (Uranium) (Oxidation) (Chlorates)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

KANEVSKIY, Ye.A.; FILIPPOV, A.P.; TIMOFEYEVA, N.V.; Prinimal uchastin VEL'MATKIN, M.I.

Composition of gases produced in the interaction between uranium dioxide and nitric acid. Atom. energ. 13 no.5:484-486 (MIRA 15:11) (Nuclear reactions)

(Uranium dioxide) (Nitric acid)

SPITSYN, Vikt.I.; KANEVSKIY, Ye.A.; NESMEYANOVA, G.M.

Reply to the letter by O.A.Songina, Z.B.Roshdestvenskaia on the article by Vikt.Spitsyn, G.M.Nesseianova, E.A.Kanevskii. Zhur.neorg.khim. 2, no.3:702

(Uranium oxides) (Solution (Chemistry)) (Songina, Oxides)

(Rozhdestvenskaia, Z.B.)

THE PROPERTY OF THE PROPERTY O

KANEVSKIY, Ye. A.; YAKUBOVICH, I. A.; et al

"Kinetics of the Homogeneous and Heterogeneous Oxidation of Uranium (IV) and its Acid Leaching Processes."

report submitted for 2nd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

THE PROPERTY OF THE PROPERTY O

KANEVSKIY, Ye.A.; PAVLOVSKAYA, G.R.

Microcoulometric investigation of the reduction of uranyl carbonate complexes. Zhur.neorg.khim. 9 no.4:827-830 Ap '64.

(MIRA 17:4)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

FILIPPOV, A.P.; KANEVSKIY, Ye.A.

Oxidation-reduction potential and the degree of uranium leaching in sulfuric acid solutions. Atom. energ. 17 no.3:205-208 S '64. (MIRA 17:9)

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na de la companya de

ENT (m)/EPF(n)-2/ENP(t)/EMP(b) Pu-4 IJP(c) ES/30/WW/3G ACCESSION NR: AP5001644 3/0186/54/006/006/0717/073 Parkey Ye. A. Pillipe, A Contemporaries and the second of the \*\*\*\* Knimiya, v. 6, no. 6, 1964, 7, ... Aux prantim dioxide, pranyl hitrare (1. . . . . . on dirempt was made to examine the principal factors determining the exidizing activity of nitric acid in sulfur(c a process to a construction) as the the and to offer an even The Artist Burgons and the effective factor in engine and its effect was senned ...

reaction mixture. It was postulated together with the rate of stirring of the of nitric acid are strong exidents. The authors also studied the kinetics of establishment of exidentials. The authors also studied the kinetics of H<sub>2</sub>O and the kinetics of the simultaneous dissolution of W<sub>2</sub>. Ho firect relation

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ACCESSION NR: APSO01644

was round to exist between these two phenomena, but the authors conclude that the dissolution of 102 is probably related to an acceleration of the decomposition of HNO3 under the catalytic influence of the products of reduction of this acid. "The experimental part of the work was done in later section with its. D. Pedrico."

AUGUCIATION: none

SURFITTED: 04Dec63

ENCL: 00

SUB CODE: IC

NO REF SOV: 003

OTHER: 006

2/2

Kinetics of the reaction of UO<sub>2</sub> and F. (111) in perchloric acid solutions. Radiokhimiia 7 no.2:207.214 '65.

(MIRA 18:6)

KANEVOKIY, Yo.4.1 GONCHAROV, I.V.; RENGEVICH, V.B.

kingtion of exidation of U(IV) by atmospheric exygen in carbonate solutions. Radiokhimiia 7 no.52579-585 165.

Catalytic action of copper ammoniate during oxidation of uranium dioxide by atmospheric oxygen. Ibid. 1585-589

(MIRA 18:10)

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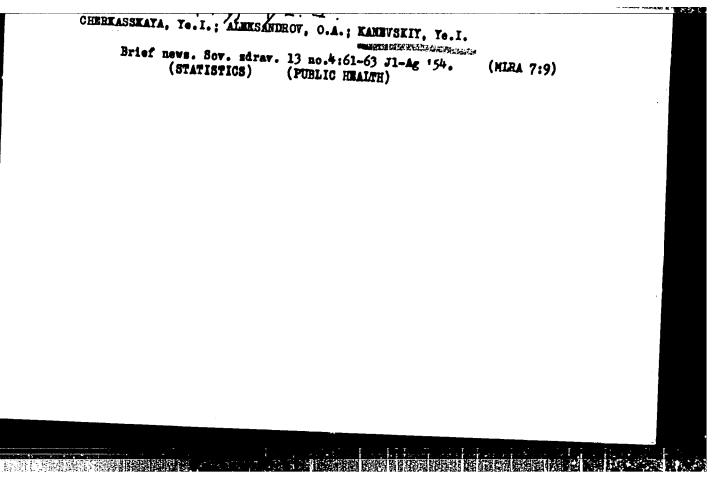
THE RESIDENCE OF THE PARTY OF T

FILIPPOV, A.P.; KANEVSKIY, Ye.A.; TIMOFEYEVA, N.V.

Reaction of uranium dioxide with nitrous acid in a sulfuric acid solution. Zhur.prikl.khim. 38 no.3:658-660 Mr 165. (MIRA 18:11)

1. Submitted May 24, 1964.

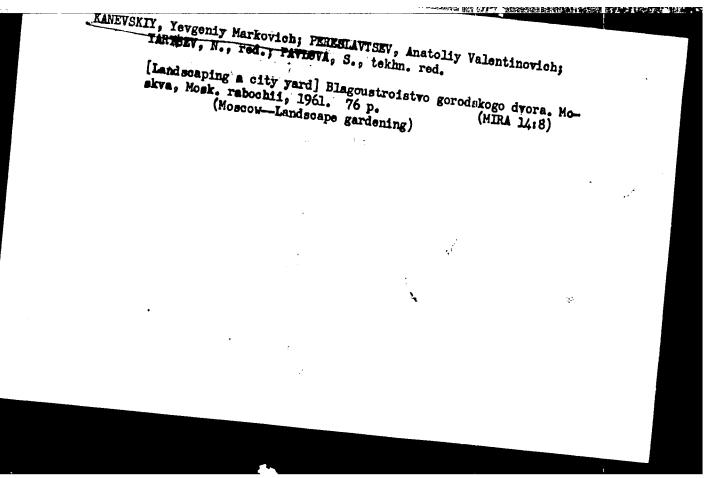
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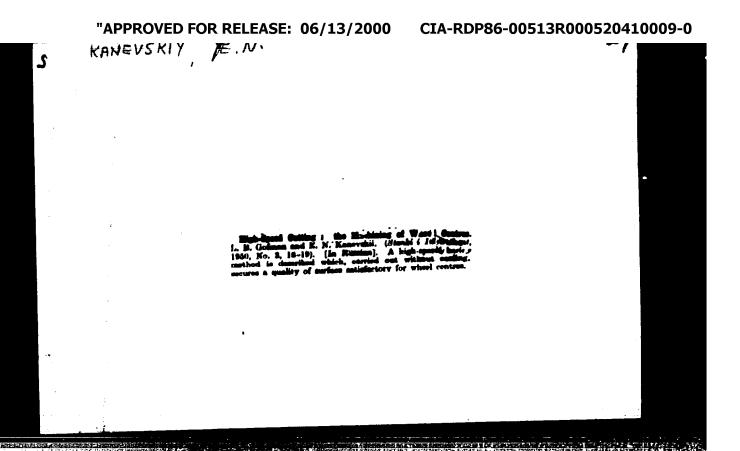


Cars for the transportation of apatite concentrate. Zhel.dov.transp.
42 no.12:73 D '60.

(Apatite—Transportation) (Railroads—Cars)

(Apatite—Transportation)





PARTOROVICH, M.D.; KARNYSKIY, Te.M.

Universal ballast measuring hopper car. Biul.tekh.-ekon.inforu.
no.11:75-76 '58.

(Railroads-Cars)

(Railroads-Cars)

Wange electric vibrators for unloading freight cars. Zhel.dor.
transp. 41 no.3:77 %r '59. (MURA 12:6)
(Vibrators) (Railroads--Freight cars)
(Loading and unloading)

THE PART OF THE PROPERTY OF THE PARTY OF THE

KANEVSKIY, Ye.W.; KHOEL! NITSKIY, G.I.

Automatic butt welding with use of a split electrode of longitudinal girder walls for railroad flat cars. Avtom. svar. 13 no.6:46-47 Je 160. (MIRA 13:7)

1. Dnepredsershinskiy vagonostroitel'myy savod imeni gasety "Pravda".
(Girders-Welding) (Bailraods-Freight care)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

THE PART OF THE PROPERTY OF THE PARTY OF THE

68897

S/051/60/008/02/025/036

24.2600 AUTHORS:

Yefremov, Yu.P. and Kanevskiy, Yu.P.

TITLE:

وكالسا والموا

On the Correction to the Dimensions of the Exit Diaphragm in Photoelectric Recording of Equal-inclination Interference

Bands

PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 2, pp 266 - 268 (USSR)

ABSTRACT:

All photoelectric devices used to record interference rings of equal inclination have a diaphragm which separates out the central portion of the patterns. Light passed by this diaphragm reaches a photoelectric receiver connected to an amplifier and an automatic recorder. When separations of Fabry-Perot plates are not too small, a change in the order of interference is produced most simply by a change in the pressure of air between etalon mirrors (Refs 1-3). The automatic recorder records a series of consecutive interf\_erence orders. Maxima do not, however, occur at integral values of the interference order N but at somewhat larger values N + &c (the interference bands seem to be displaced towards higher orders). Chabbal (Ref 4)

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

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\$/051/60/008/02/025/036

On the Correction to the Dimensions of the Exit Diaphragm in Photoelectric Recording of Equal-inclination Interference Bands

and Jaffe (Ref 5) found that for a circular diaphragm  $\delta \epsilon = 0.5\Delta$ , where  $\Delta = td^2/4\lambda f^2$ , t is the separation of the etalon mirrors, d is the diaphragm diameter,  $\lambda$  is the wavelength and f is the focal length of the objective. Rank et al (Refs 6, 7) showed that for a narrow slit & = 0.325 . Rank et al found also that for a square diaphragm  $\delta \varepsilon = 0.5 \Delta_1$  where  $\Delta_1$  represents the value for a circular aperture whose diameter is that of a circle inscribed on a square. The present paper reports results of calculation of 5 for rectangular diaphragms (sides a and b) . The results obtained differ from those of Rank et al. For example, if a = b , i.e. for a square diaphragm  $\delta \varepsilon = 0.64\Delta = 0.32\Delta$ , where  $\Delta$  is defined as  $\Delta = t \sqrt{a^2 + b^2/4\lambda f^2}$ . The authors determined also experimentally the values of δε/A for various values of a/b. The technique used was described earlier (Refs 8,9). The yellow-green lines

Card2/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

#### 68897

On the Correction to the Dimensions of the E201/E301 Photoelectric Recording of Equal-inclination Interference Bands

of Kr at 5870 and 5649 % were employed: the Fabry-Perot etalons were of 47 and 100 mm length. Experimental results are shown in a figure on p 268 in the form of a dependence of  $\delta \epsilon / \Delta$  on a/b. For a square diaphragm the experimental value was  $\delta \epsilon = 0.32 \Delta$  in good agreement with the calculated value. For rectangular of the graph to a narrow slit  $(a/b) \rightarrow 0$  yielded a value  $\delta \epsilon / \Delta = 0.16$ . The latter two values lie within  $a \leq 0.1b$ . There are 1 figure and 9 references, 4 of which are Soviet, 3 English and 2 French.

SUBMITTED: July 3, 1959

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

THE PROPERTY OF THE PROPERTY OF THE PERSON O

ACCESSION NR: AT4025292

\$/0000/63/000/000/0042/0048

AUTHOR: Gladushchak, V. I.; Kanevskiy, Yu. P.; Shreyder, Ye. Ya.

TITLE: New method of energy calibration of vacuum spectral instruments

SOURCE: Diagnostika plazmy\* (Plasma diagnostics); sb. statey. Moscow, Gosatomiz-

TOPIC TACS: spectrometry, spectrometer calibration, spectral line intensity,

ABSTRACT: The graduation method proposed is suitable for the graduation of monochromators as well as spectrographs. It is pointed out that prior calibration of the spectral instrument is more practical than the use of a standard comparison source, which in the vacuum region of the spectrum would have to be a synchrotron, which in turn entails noticeable experimental difficulties. The calibration is by recording on the vacuum spectral instrument the radiation from a source in which the ratio of the spectral-line intensity can be determined from measurements in the visible region of the spectrum and from the calculated transition probabilities. The theory of such a method is described briefly and its errors are analyzed. The method was used to calibrate a normal-incidence spectrograph (SP-99, grating with

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ACCESSION NR: AT4025292

2 meter radius and 1200 lines per mm, linear dispersion 4.14/mm). The light source was a low-voltage vacuum spark. By recording the spectrum of the vacuum spectro-ones it was possible to determine a coefficient characterizing the transmission of the instrument and the quantum yield of the material employed. The tests were ibration, and the transition probabilities for these lines was calculated from the iation of the spark was simultaneously photographed on a quartz spectrograph (ISP-were measured. The intensity ratios of the Al III lines were calculated. From Several version of the measurement technique are also described. Orig. art. has:

ASSOCIATION: None

SUBMITTED: 190ct63

DATE ACQ: 16Apr64

ENCL: 02

SUB CODE: GP, OP

NR REF SOV: 004

OTHER: 005

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"Energy Measurements in the Vacuum Ultraviolet."

report submitted to 11th Intl Spectroscopy Colloq, Belgrade, 30 Sep-4 Oct 63.

THE RESIDENCE PROPERTY AND THE PROPERTY OF THE PARTY OF T

DAVIDOVICH, N.V.; KANEVSKIY, Z.M.; CHIZHOV, O.P.; AVSYUK, G.A., otv. red.;

[Materials on glaciological research; Novaya Zemlya; meteorology] Materialy gliatsiologicheskikh issledovanii: Novaia Zemlia; Meteorologiia. Moskva, No.1. [Principal meteorological observations] Osnovnye meteorologicheskie nabliudeniia. 1961. 115 p. No.4. [Additional
observations] Dopolnitel'nye nabliudeniia. 1961. 119 p.

(MIRA 14:11)

1. Akademiya nauk SSSR. Institut geografii. (Novaya Zemlya-Meteorology-Observations)

DAVIDOVICH, N.V.; KANEVSKIY, Z.M.; CHIZHOV, O.P.; AVSYUK, G.A., otv. red.; OGANOVSKIY, P.N., red.

[Materials on glaciological research: Novaya Zemlya; meteorology]
Materialy gliatsiologicheskikh issledovanii: Novaia Zemlia; meteorologiia. Moskva, No.2. [Principal meteorological observations] Osnovnye meteorologicheskie nabliudeniia. 1961. 130 p.

(MIKA 15:3)

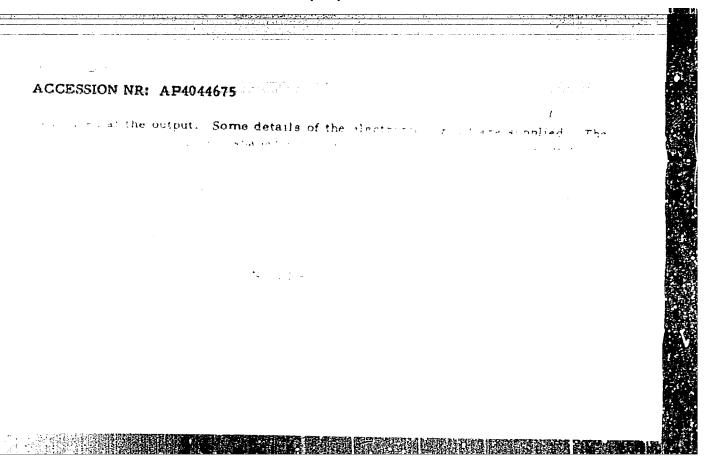
1. Akademiya nauk SSSR. Institut geografii.
(Novaya Zemlya-Meteorology-Observations)

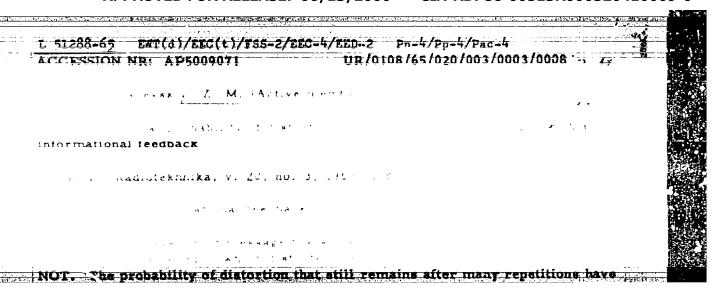
KANEVSKIY, Zinoviy Molasvatich; FINKEL'SHTEYN, Molsey Ionovich;
TIRHONOV, V.I., retsemsent; GOLUBTSOV, M.G., red.;
BUL'DYAYEV, N.A., tekhn.red.

[Fluctuation noise and radio impulse signal detection]
Fluktuationnaia pomekha i obnarushenie impul'snykh radiosignalov. Moskva, Gosenergoisdat, 1963. 215 p.

(Radio—Interference)
(Pulse techniques (Electronics))

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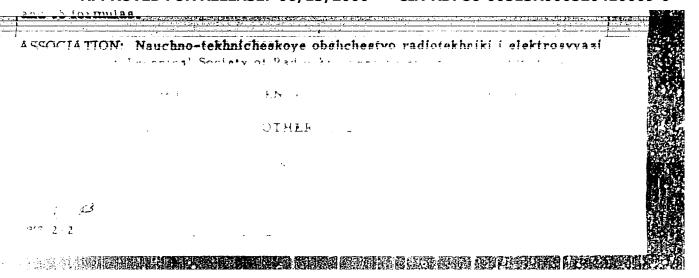


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depends on the levels and nature of the noise in the forward and feedback channels, the probability can approach zero if the effect of the noise on the code zeros and units is asymmetrical: (3) The residual probability under fluctuating-



CC NR: AP6008292	SOURCE CODE: UR/0109/66/011/003/0536/0537	
UTHOR: Kanevskiy, Z. M.	43	1
RG: none		
TITLE: One condition for eff	ficient transmission with an Minformation feedback"	
SOURCE: Radiotekhnika i elek	ctronika, v. 11, no. 3, 1966, 536-537	
OPIC TAGS: error correction	n, data transmission, digital transmission	
utomatic-request-for-repet	on system with automatic error correction of the ition (ARQ) type is briefly considered. The transmission	
s rubtoned so roug as ture	inequality holds true: $P_i < P_m(1 - P_{ni})$ , where $P_i$ is	
t message mutilation in the	mage (or mirror) mutilation; Pm is the probability	
utilation. For hinary-rode	forward channel; Pni is the probability of nonimage transmissions, this formula is transformed into:	
0 + Pda < 1, where Pio 1s	the probability of loss of "one" (signal) and	
is the probability of fa	lse signal in the reverse ("feedback") channel. When	Lesses Jan
ard 1/2	UDC: 621.391.17	2

the	NR: AF	form	ula is	not :	satisfi rig. ar	ed, the	e trans: : 1 fi	smissio gure an	n fide d 3 fe	elity i	is lower		that	
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Card	1 2/2	BLG	,				•				. •			

AUTHOR: Kanevskiy, Z. M.  ORG: none  TITLE: "Synchrophase" LC-oscillator of  SOURCE: Radiotekhnika i elektronika, v. 11, no. 4, 1966, 761-762  TOPIC TAOS: oscillator, LC oscillator  ABSTRACT: The phase of an oscillator synchronized by incoming (long-distance) sync pulses depends on the tuning of its oscillatory circuit and on the height and duration of the sync pulses. Reactance tubes combined with phase detectors have been used to offset the above undesirable effects; however, this results in rather complicated circuits. A simpler circuit (see Fig. 1) is suggested which comprises limiter 1, LC-oscillator 2, and reference-pulses shaper 3. The latter produces short slanted-front reference pulses which jointly with the short sync pulses are applied to the limiter. The latter is so adjusted that the sync pulses pass to the oscillator only after they have been superposed on the local reference pulses. Experimental results with a 8450-cps oscillator: reference and sync pulse duration, Experimental results with a 8450-cps oscillator: reference and sync pulse duration,	31123-66 EWA(h)/EWT(1) CC NR: AP6011459	SOURCE CODE: UR/0109/66/011/004/0761/0762
TITLE: "Synchrophase" IC-oscillator  SOURCE: Radiotekhnika i elektronika, v. 11, no. 4, 1966, 761-762  TOPIC TAGS: oscillator, IC oscillator  ABSTRACT: The phase of an oscillator synchronized by incoming (long-distance) sync pulses depends on the tuning of its oscillatory circuit and on the height and duration of the sync pulses. Reactance tubes combined with phase detectors have been duration of the sync pulses. Reactance tubes combined with phase detectors have been duration of the sync pulses. A simpler circuit (see Fig. 1) is suggested which comprises limiter 1, IC-oscillator 2, and reference-pulses short sync pulses shaper 3. The latter produces short sync pulses which jointly with the short sync pulses are applied to the limiter. The latter is so adjusted that the sync pulses pass to the oscillator only after they have been superposed on the local reference pulses. Experimental results with a 8450-cps oscillator: reference and sync pulse duration,	UTHOR: Kanevskiy, Z. M.	B
ABSTRACT: The phase of an oscillator synchronized by incoming (long-distance) sync pulses depends on the tuning of its oscillatory circuit and on the height and duration of the sync pulses. Reactance tubes combined with phase detectors have been used to offset the above undesirable effects; however, this results in rather complicated circuits. A simpler circuit (see Fig. 1) is suggested which comprises limiter 1, IC-oscillator 2, and reference—pulse shaper 3. The latter produces short slanted-front reference pulses which jointly with the short sync pulses are applied to the limiter. The latter is so adjusted that the sync pulses pass to the oscillator only after they have been superposed on the local reference pulses. Experimental results with a 8450-cps oscillator; reference and sync pulse duration,	RG: none	A. J. 1844
ABSTRACT: The phase of an oscillator synchronized by incoming (long-distance) sync pulses depends on the tuning of its oscillatory circuit and on the height and duration of the sync pulses. Reactance tubes combined with phase detectors have been used to offset the above undesirable effects; however, this results in rather complicated circuits. A simpler circuit (see Fig. 1) is suggested which comprises limiter 1, IC-oscillator 2, and reference-pulses shaper 3. The latter produces short slanted-front reference pulses which jointly with the short sync pulses are applied to the limiter. The latter is so adjusted that the sync pulses pass to the oscillator only after they have been superposed on the local reference pulses. Experimental results with a 8450-cps oscillator: reference and sync pulse duration,	TITLE: "Synchrophase" <u>IC-oscilla</u>	tor 25
ABSTRACT: The phase of an oscillator synchronized by incoming (long-distance) sync pulses depends on the tuning of its oscillatory circuit and on the height and duration of the sync pulses. Reactance tubes combined with phase detectors have been used to offset the above undesirable effects; however, this results in rather complicated circuits. A simpler circuit (see Fig. 1) is suggested which comprises limiter 1, IC-oscillator 2, and reference-pulse shaper 3. The latter produces short slanted-front reference pulses which jointly with the short sync pulses are applied to the limiter. The latter is so adjusted that the sync pulses pass to the oscillator only after they have been superposed on the local reference pulses. Experimental results with a 8450-cps oscillator: reference and sync pulse duration,	SOURCE: Radiotekhnika i elektron	ika, v. 11, no. 4, 1966, 761-762
pulses depends on the tuning of its oscillators duration of the sync pulses. Reactance tubes combined with phase detectors have been used to offset the above undesirable effects; however, this results in rather complicated circuits. A simpler circuit (see Fig. 1) is suggested which comprises limiter 1, IC-oscillator 2, and reference-pulse shaper 3. The latter produces short stanted-front reference pulses which jointly with the short sync pulses are applied to the limiter. The latter is so adjusted that the sync pulses pass to the oscillator only after they have been superposed on the local reference pulses. Experimental results with a 8450-cps oscillator: reference and sync pulse duration,		1
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3 figures. SUB CODE: 09 / SUB	1 DATE: 12Jul65/ ATD PI	ESS: 42.	39		
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L 09192-67 ACC NR: AP7002803	SOURCE CODE:	UR/0106/66/000/009/0024/0027	i .
AUTHOR: Kanevskiy, Z.	М.	20 B	
ORG: none		<b>O</b>	
TITLE: Transmission or repetitions	f messages with feedback with varia	able upper number of	
SOURCE: Elektrosvyaz	, no. 9, 1966, 24-27	•	
TOPIC TAGS: radio tr	nsmission, electronic feedback		
repetitions of one me the permissable mean assignment of the max	ion is concluded for the maximal personage for a transmission system with number of repetitions. The expedient in the number of repetitions for product of message throughout over the contact. has: 2 figures and 6 formula	n reedback, based on ncy of co-ordinated uction of minimum error mmunications channel	
SUB CODE: 17 / SUB	M DATE: 180ct65 / ORIG REF: 002		-
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Card 1/1 <sup>5/h</sup>		UDC: 621.394.5	
Cara 1/1		0925 169	

ACC NR: AP6022013

SOURCE CODE: UR/0120/66/000/003/0143/0144

A THE PROPERTY AND THE PROPERTY OF THE PROPERT

AUTHOR: Kanevskiy, Z. M.

ORG: Voronezh Polytechnic Institute (Voronezhskiy politekhnicheskiy institut)

TITLE: A generator of control pulses of the nonius type

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 143-144

TOPIC TAGS: pulse generator, control circuit, electric device

ABSTRACT: A control pulse generating circuit is presented which, when triggered by a single pulse, produces a series of N pulses arriving in sequence at N outputs of the device. In this circuit the control pulses are obtained by the combined use of two delay lines the total length of which, for the given interval between the pulses and their number N, can be appreciably smaller than that in a corresponding circuit with a single delay line. A positive pulse and a negative pulse, which may be obtained from a single triggering pulse, are applied, respectively, to the inputs of the two delay lines. Orig. art. has: 4 figures.

SUB CODE: 09/ SUBM DATE: 06Jun65

Card 1/1

UDC:

ACC NR: AP7001536

SOURCE CODE: UR/0108/66/021/012/0050/0057

AUTHOR: Kanevskiy, Z. M. (Active member of society); Tokarev, B. V. (Active

member of society)

ORG: Scientific and Technical Society of Radio Engineering and Electro-communication im. A. S. Popov (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Optimal threshold in receiving pulse-code messages in information-feedback systems

SOURCE: Radiotekhnika, v. 21, no. 12, 1966, 50-57

TOPIC TAGS: pulse code modulation, signal reception, communication system

ABSTRACT: An optimal threshold is sought which ensures minimum residual probability of distortion of PCM messages, in an information-feedback system, under fluctuation-and-impulse-noise conditions. The probability of signal loss caused by a normally-distributed fluctuation noise is examined; for this case, the

Card 1/2

UDC: 621.391.133

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

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ACC NR: AP7001536

optimal threshold is  $v = 2\sqrt{2h}$ , where  $h = U/\sqrt{2} c$ ; U = signal-pulse amplitude, c = noise effective voltage; the formula is valid for  $h \ge 2\sqrt{2}$ . The probability of false signal caused by an impulse random noise is also considered; it is proven that, in this case, such a threshold can be selected that the residual probability of message distortion would be zero. Orig. art. has: 3 figures and 40 formulas.

SUB CODE: 09, 17 / SUBM DATE: 02Mar65 / ORIG REF: 004 / OTH REF: 001

#### "APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520410009-0

ACC NR: AR6000116 SOURCE CODE: UR/0058/65/000/008/D038/D038 SOURCE: Ref. zh. Fizika, Abs. 8D318 AUTHORS: Gladushchak, V. I.; Shreyder, Ye. Ya.; Kanevskiy, Yu. P. ORG: none TITLE: Energy measurements in vacuum ultraviolet CITED SOURCE: Tr. Komis. po spektroskopii. AN SSSR, M., t. 2, vyp. 1, 1964, 561-566 TOPIC TAGS: UV spectrum, spectral line, line intensity, transition probability, spectrographic camera, aluminum, silicon TRANSIATION: A method is proposed for calibrating spectral instruments for the performance of absolute and relative measurements of intensities in the vacuum region of the spectrum. The calibration is by means of a source in which the relative and absolute intensities of the spectral lines can be determined from measurements in the visible region of the spectrum and from the calculated transition probability. The source chosen for this purpose was a low-voltage vacuum spark between siluminum electrodes. The method is applicable for the calibration of vacuum spectrographs by means of the Al-III and Si-IV lines in the wavelength interval 450-+2200 A. SUB CODE: 20 Card 1/1 1do

Dissertation: "Investigation of the Technological Possibilities of Targential Turning on a Lathe." Cand Tech Sci, Moscow Automotive Mechanics Inst, 14 May 54.

Vechernyaya Moskva, Hoscow, 5 May 54.

SO: SUM 284, 26 Nov 1954

THE SALES OF THE CASE OF SALES AND SALES OF THE PERSON OF THE SALES OF

BUTTON ANTENTY MIKHVATOAICH

VARDIN, Grigoriy Dmitriyevich; KANEVTSON, Valeriy Mithaplevich, kundidat tekhnicheskikh nauk; ANVAN, Getsel' Kalmanovich; PASTUKHOV, Mikolay Semenovich, inshener

[Device for machining body parts on vertical turning lathe. Hew chick for gripping conical surfaces. Device for cuttin elastic washers on lathes. Work practices with sultispindle automatic lathes] Povorotnoe prisposoblenie dlia obrabotki korpusnykh detalei na karusel'nykh stenkakh. Novyi patron dlia sashima konicheskikh poverkhnostei. Prisposoblenie dlia rubki průshiniashchikh sheib na tokarnom stanke. Opyt raboty na mnogoshpindel'nykh tokarnykh avtomatakh. Noskva, 1956. 13 p. (Peredovoi proisvodstvennotekhnicheskii opyt. Ser.10, Tokarnye raboty. No.7-56-150/4)

1. Moscow. Institut tekhniko-ekonomicheskoy informatsii (Machine tools--Attachments)

SOV/123-59-23-96801

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 23, p 89 (USSR)

AUTHOR:

Kanevtsov, V.M.

TITLE:

Technological Cutting Conditions for Cutting-Off Tools

PERIODICAL:

Tekhnol, podshipnikostroyeniya, 1958, Nr 17, pp 43 - 49

ABSTRACT:

The following technological cutting (C) conditions for cutting-off tools were studied: one-sided successive C with two cutting-off tools, doublesided successive C and C with oscillating movements of the cutting-off tool. The author describes the designs of pilot devices for the generation of the oscillating movements, developed by the ENTIPP (Experimental Scientific Research Institute of the Bearing Industry) and states the investigation results of the given C method. It was found that cutting with oscillating movements and also successive C considerably improve the operating conditions of the cutting-off tool. The application of both these methods ensures a reliable operation, without jamming and breakdowns, of hard-alloy cutting-off tools of 2.5 - 3.5 mm thickness, and the introduction of highspeed tube C. The author recommends to use stamped cutting-off tools equipped with T14K8 grade hard alloy. For steel the C speed should be

Card 1/2

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#### "APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000520410009-0

Technological Cutting Conditions for Cutting-Off Tools

SOV/123-59-23-96801

90 - 120 m/min with a feed of 0.06 - 0.10 mm/revolution. The following oscillation conditions should be employed: number of double motions 60 - 100 per minute, amplitude of oscillation = 0.2 - 0.4 mm. The application of hard-alloy cutting-off tools increases the operative efficiency of tube C by more than twice. Ten figures, 3 references.

B.I.L.

Card 2/2

3/121/60/000/010/008/015 A004/A001

AUTHOR:

Kanevtsov, V. M.

TITLE:

Improved Cutting-Off Tool Designs

PERIODICAL: Stanki i Instrument, 1960, No. 10, pp. 24-25

The author reports on a new cutting-off tool design developed by the Eksperimental nyy institut podshipnikovoy promyshlennosti (Experimental Institute of the Bearing Industry). This new cutting-off tool differs in so far from the conventional designs that the lateral surfaces of its cutting part represent a surface section of a circular or elliptic cylinder whose axis is inclined towards the tool base. This is attained by grinding the lateral surfaces of cutting-off tools with a cup-shaped grinding disk on a universal tool grinding machine. In this case, the contact surface during the grinding amounts to a minimum which reduces the heat release connected generally with the origination of cracks on carbide tool bits. Besides, when the grinding is effected with a cup-shaped grinding disk, it is possible in proportion to its wear, to adjust the real curvature magnitude of the lateral surface by way of turning the disk axis relative to the direction of longitudinal feed during grinding. The lateral tool surface wi Card 1/2

Improved Cutting-Off Tool Designs

8/121/60/000/010/008/015 A004/A001

will be elliptic if the grinding disk is set at an angle of  $\psi$ . The parameters of the originating ellipse are: a=R;  $b=R\cos\psi$ . The curvature radius of the lateral surface at the tool peak can be expressed by accurvature radius corresponding to the peak of the small ellipse axis:  $\rho=\frac{\Delta}{2}$ . By substituting in this equation the values of the semiaxes a and b of the ellipse, formed by the cup-shaped disk of the radius R and set at angle  $\psi$ , the approximated value of the curvature radius of the lateral surface is obtained:  $\rho=\frac{R}{\cos \delta}$ . The clearance angle x corresponds in the cutting plane to the auxiliary back angle  $\alpha_1$ , and in the feed plane to the auxiliary angle in the plane  $\psi_1$ . The author recommends the following angle magnitudes for cutting-off tools with sintered carbide bits for the machining of steel with  $\delta_1=60$ ;  $\alpha_1=4$ -5°;  $\alpha_1=4$ -5°. Cutting off tools (of high-speed steel with sintered carbide bits) with inclined cylindrical lateral surfaces have been introduced at the IGPZ and other bearing-producing plants. There are 3 figures.

Card 2/2

BAYKOV, S.P., kand. tekhn. nauk; EELENKO, I.S., kand. tekhn. nauk;

EELKOV, S.F., inzh.; EELYANCHIKOV, M.P., inzh.; EERNSHTEYN,
I.L., inzh.; EOCORODITSKIY, D.D., inzh.; EOLONOVA, Ye.V.,

kand. tekhn. nauk; EROZGOL', I.M., kand. tekhn.nauk;

VIADIMIROV, V.B., inzh.; VOLKOV, P.D., kand. tekhn. nauk;

GERASIMOVA, N.N., inzh.; ZHUKHOVITSKIY, A.F., inzh.;

KABANOV, M.F., inzh.; KANEVTSOV, V.M., kand. tekhn. nauk;

KOLOTENKOV, I.V., inzh.; KONDRAT'YEV, I.M., inzh.;

KUZNETSOV, I.P., kand. tekhn. nauk; L'VOV, D.S., kand.

tekhn. nauk; LYSENKO, I.Ya., kand. tekhn. nauk; MAKAROV,

L.M., inzh.; CLEYNIK, N.D., inzh.; RABINER, Ye.G., inzh.;

ROZHDESTVENSKIY, YM.L., kand. tekhn. nauk; SAKHON'KO, I.M.,

kand. tekhn. nauk; SIDOROV, P.N., inzh.; SPITSYN, N.A., prof.,

doktor tekhn. nauk; SPRISHEVSKIY, A.I., kand. tekhn. nauk;

CHIRIKOV, V.T., kand. tekhn.nauk; SHEYN, A.S., kand. tekhn.

nauk; NIHERG, N.Ya., nauchnyy red.; BLAGOSKLONOVA, N.Yu., inzh.,

red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Antifriction bearings; manual] Podshipniki kacheniia; spravochnoe posobie. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 828 p. (MIRA 15:2) (Bearings (Machinery))

S/276/63/000/001/011/028. A006/A101

AUTHOR:

Kanevtsov, V. M.

TITLE:

Carbide cutting-off tools

PERIODICAL:

Referativnyy zhurnal Tekhnologiya mashinostroyeniya, no. 1, 1963, 85 - 86, abstract 18513 ("Tr. Vses. n.-1. konstrukt. tekhnol in-ta podshipnik, prom-sti", 1960, no. 2 (22), 29 - 46)

TEXT: Information is given on investigations to improve the geometry of carbide cutting-off tools; the techniques of their manufacture, and the cutting properties of carbides of various grades, including TT7, K12 and T5K12B (T5K12V), for machining IIIX 15 (ShKh15) steels. Cylindrical lateral cutting-off tool surfaces with the axis inclined to the cutter basis, are found to be the most efficient shapes. The magnitudes of the auxiliary rear angle p and the angle in the plane  $\alpha_1$ , may approach optimum values without impairing the durability of the cutter. It is recommended to produce the cutting-tool holder of type 45 or y7 (U7) carbon steels; during soldering the carbide plates pressed to the cutter should be heated by hf-current for 10 - 15 sec. It is also suggested to quench-harden the holder tip to increase its durability and reduce internal stresses.

3/276/63/000/001/011/028 A006/A101

Carbide cutting-off tools

in the plate, by utilizing the heat preserved in the tip after soldering the plate The lateral surfaces of the cutter are ground by the periphery of a cup wheel whose axis is parallel or inclined to the direction of the longitudinal feed in grinding and is displaced from the cutter point by a magnitude depending on the geometrical parameters of the tool. The front and rear surfaces of the tool are finished with a cast-iron disk, charged with boron carbide. For machining ShKh15 steel the following values are recommended:  $\alpha=8^\circ$ ,  $\gamma=12-15^\circ$ , b=0.1-0.3 mm through an angle from 0 to -5;  $\gamma=3-5^\circ$ ,  $\gamma=3^\circ$ ,  $\lambda=0$ . Grade TT7, K12 and T5 K12V high-strength carbides can be used in multispot pipe cutting on pipe-cutting automatic machines and turret; lathes and also for machining rings on multi--spindle automatic lathes with "frezol" cooling. More wear resistant grades such as T14K8, T5K10 can be used for machining rings of pipes on automatic machines. with a cooling emulsion. To cut thick-walled pipes it is recommended to employ cutting with oscillating feed or two-sided cutting with large and narrow tools. Machining of ShKh15 steel with tools having TT, 7K12 and T5K12V plates (T = 90 min) is performed at V = 47 - 53 m/min and s = 0.12 - 0.1 mm/rev. For T5L10 carbide V = 80 - 90 m/min, for T14K8 carbide V = 90 - 110 m/min s = 0.07 - 0.09mm/rev; the index of relative durability for TF7K12 carbide is 1/5, and 1/4 for TCK12V carbide. The replacement of high-speed cutting tools by cutters with Card 2/3

Carbide cutting-off tools

S/276/63/000/001/011/028 A006/A101

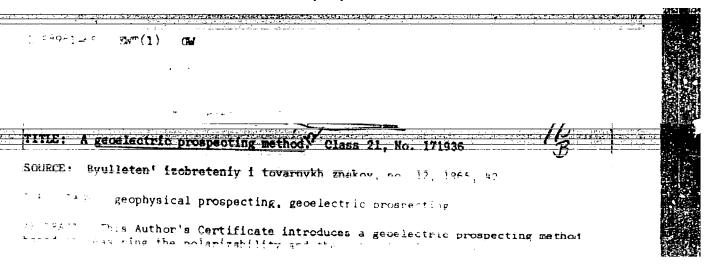
TT7K12 and T5K12V carbide plates for machining ShKh15 steel will raise  $\nu$  by a factor of 2; if cutters with T14K8 and T5K10 are used  $\nu$  increases by a factor of 3 - 4. There are 18 figures, 6 tables and 10 references.

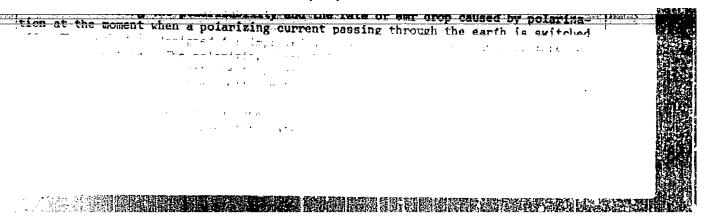
E. Dymova

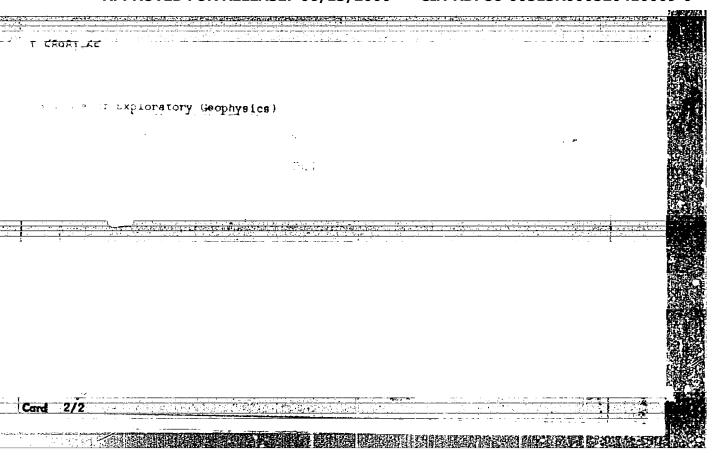
[Abstracter's note: Complete translation]

Card 3/3

[Technological and metrological fundamentals for precision in regulating dimensions in the manufacture of machinery]
Tekhnologicheskie i metrologicheskie osnovy tochnosti regulirovaniia rezmerov v mashinostroenii. Moskva, Izd-vo "Mashinostroenie," 1964. 278 p. (MIRA 17:6)







KANEYEV, I. V.

Kaneyev, I. V.

"Mechanical Extrusion of Cylindrical Parts of Sheet Metal (The Problems of Mechanization of Lathe-Extrusion Processes)." Min Higher Education USSR. Kazan' Aviation Inst. Kazan', 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 27, 2 July 1955

KANerey IV.

AUTHOR: Kaneyev, I.V., Candidate of Technical Sciences.

TITLE: The mechanization of lathe spinning work. (Mekhanizatsiya tokarno - davil'nykh rabot) 122-2-12/23

PERIODICAL: "Vestnik Mashinostroyeniya" (Engineering Journal), 1957,37No.2, pp. 58 - 60 (U.S.S.R.)

ABSTRACT: The spinning of a cylindrical cup in a fully mechanized set-up was carried out experimentally on aluminium and aluminium-magnesium alloy blanks of 2 mm thickness and over. Set-ups for the first and subsequent passes on an ordinary engine lathe are shown. Several spinning rollers were used with different radii. Each radius, together with the material thickness gives a range of flange widths for the first pass. The rate of tool feed and the spinning speed are plotted against the flange width. Experimentally determined reduction factors for the first and subsequent passes are tabulated. A large radius of the spinning roller together with an auxiliary filleted clamping roller are recommended. Edge trimming rollers are shown. The design of spinning roller mountings is illustrated in detail.

Card 1/1 There are 6 figures, including 2 graphs and 2 tables.

AVAILABLE: Library of Congress

25(1,7)

SOV/117-59-3-16/37

AUTHOR:

Kaneyev, I.V., Candidate of Technical Sciences

TITLE:

Mechanical Extrusion With Thinning (Mekhanicheskoye

vydavlivaniye izdeliy s utoneniyem)

PERIODICAL:

Mashinostroitel', 1959, Nr 3, pp 24 - 26 (USSR)

ABSTRACT:

Information is given on a method of extrusion of hollow parts of various shapes (conical, spherical or cylindrical) from sheet metal blanks on lathes with the use of rounded-up press rollers and tracers. The method is developed and experimentally studied by the author. Experiments were carried out with commercial aluminum, duralumin, and aluminum-manganese alloy and several grades of steel. The process does not change the diameter or the width of

Card 1/2

blanks, i.e. only the thickness of the blank changes.

SOV/117-59-3-16/37

Mechanical Extrusion With Thinning

The information includes detailed lathe setting data with illustrations, and formulas for calculating the resulting wall thickness of work. There are 4 sets of diagrams, 1 photo and 1 table.

Card 2/2

SHCHERBAKOV, K.F., kand.tekhn.nauk; KANEYEV, I.V.

Attachement to the PRVN-2,5 vineyard plow for turning the soil and cultivating between rows. Trakt. i sel'khozmash. 31 no.10:39-40 0 '61. (MIRA 14:12)

1. Rostovskiy institut sel'skokhosvaystvennogo mashinostroyeniya.
(Plows—Attachments)
(Viticulture—Equipment and supplies)

L 19569-63 EWP(q)/EWT(m)/EWP(B)/BDS AFFTC/ASD JD S/0181/63/005/009/2731/2733

AUTHOR: Niyazova, G. R.; Kaneyev, M. A.

TITLE: Radiation defects in crystals of cadmium sulfide

SOURCE: Fizika tverdogo tela, v. 5, no. 9, 1963, 2731-2733

TOPIC TAGS: cadiation defect, radiation effect, surface defect, x ray bombardment, irradiation, irradiated cadmium sulfide, Gamma irradiation, irradiated material

ABSTRACT: An attempt is made to explain the process of formation of radiation defects on the surface of CdS crystals irradiated with x-rays and Y-rays. The defects, discovered by one of the authors (O. R. Niyazova. Avtoref. kand. diss., Tashkent, 1960), appear as dark point spots. In the case of Y-irradiation dark bands sometimes appear with the point defects. Both types of defects increase in size with increasing radiation doses, and the point defects sometimes change into many-pointed stars. It was determined that the defects consist of an amorphous substance and that they can be removed mechanically. The location and the density of the defects were found

· Card 1/2

L 19569-63 ACCESSION NR: AP3007530

to coincide with those of etching pits. The authors conclude that these types of defects in CdS crystals are caused by the formation of products of radiation decay which diffuse to the crystal surfaces.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR, Tashkent (Institute of Nuclear Physics, AN UzSSR)

SUBMITTED: 18Mar63

DATE ACQ: 140ct63

ENCL: 00

SUB CODE: PR

NO REF SOV: 002

.OTHER: 001

Card 2/2

KANFEL', O.M.; MAZAROVICH, O.A.; TURSINA, V.V.

Geology of the northern margin of the Karaganda Basin. Report No.1: Stratigraphy of Pre-Paleosoic and Paleosoic sediments.

Vest. Mosk.un. Ser. 4: Geol. 17 no.6:19-35 N-D '62. (MIRA 16:1)

1. Kafedra istorijneskoy i regional'noy geologii Moskovskogo gosudarstvennogo universiteta. (Karaganda Basin--Geology, Stratigraphic)

KANFER, D.F., inzh.; CHERNOV, G.I., inzh.; TOPOL, N.F., inzh.;
ALFEROV, K.S., inzh.; YEVDOKIMOV, N.A., inzh.

Research at the Makeyevka Metallurgical Plant. Stal' 23 no.2:116,130-131,156 F '63. (MIRA 16:2) (Makeyevka—Metallurgical research)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

### KANFER, V.D.; ROSTEMBERSKIY, A.V.

Improving the quality of sinter. Met. i gornorud. prom. no.5:3-5 S-0 '64. (MIRA 18:7)

1. Donetskiy nauchno-issledovatel'skiy institut chernoy metallurgii.

KANFER, V.D.; SHKLYAR, M.S.

Lever-type dust collecters for gas purification. Metallurg 6 no.3:12-13 Mr \*161. (MIRA 14:5)

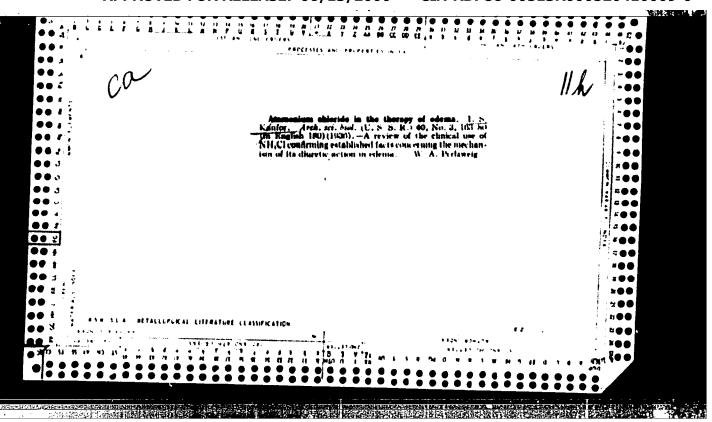
1. Makeyevskiy metallurgicheskiy zavod. (Dust collectors) (Gases—Purification)

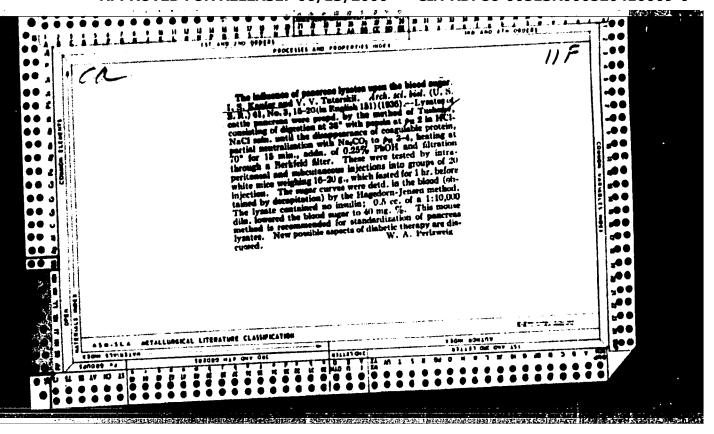
ROSTEMBERSKIY, A.V.; KANFER, V.D.; SOLDATKIN, A.I., kand.tekhn.nauk; KUMANI, B.G.; CHERNOV, G.I.; LOZNEVOY, V.S.; ZAPOROZHETS, N.P.

Increasing the productivity of sintering plants and improving the quality of the sinter. Met. 1 gornorud. prom. no. 2:20-22 Mr-Ap '64. (MIRA 17:9)

WANTER, V.D.; KRIVIOHEYRV, V.R.; YEFAROVA, N.J.; KHEAPER H. N.S.

Quality of lime and the kilning cycle in a kiln with fluidized bed. Strol. mat. 10 no.7229-31 Ul \*64 (MURA 1821)





# KANFOR, I.S.; OLYNYAHSKAYA, R.P.

Effect of stimulation of oral receptors on metabolism. Opyt izuch. (NLRA 8:12) reg.fiziol.funk. no.3:44-52 154.

1. Laboratoriya fisiologii gasoobmena i teploobmena Otdela obshchey fisiologii Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.

(METABOLISM) (MASTICATION) (BLOOD SUGAR)

USSR/Medicine - Neurophysiology

FD-2800

Card 1/1

17, 2/19

Author

: Kanfor, I. S.

Title

: Complex reflex regulation of the carbohydrate metabolism

Periodical

: Byul. eksp. biol. i med. 6, 7-10, June 1955

Abstract

: Article deals with the problem of the nerve mechanisms regulating carbohydrate metabolism studied by the method of simulated feeding of glucose to animals. The dogs used in the experiments had undergone gastrotomy or esophagotomy and were studied for the effects of actual and simulated glucose feeding. Results showed that the conditioned reflex hyperglycemia produced in the experiments was very stable and faded only slowly. Author concludes that regulation of the carbohydrate metabolism takes place by way of reflexes originating with stimulation of the reflectors in the mouth and ending with impulses regulating the processing of sugar in the organism. 10 references, 10 USSR, 3 since 1940, graphs, table

Institution

: Laboratory of the Physiology of Gas Metabolism and Heat Metabolism (Head Prof R. P. Ol'nyanskaya) Division of General Physiology (Scientific Leader Academician K. M. Bykov) Institute of Experimental Medicine, Academy Medical Sciences, Leningrad

Submitted

20 Aug 1954

### KANDOR, I.S.

Method and appliance (cannula) for temporary exclusion of circulation from internal organs in acute and chronic experiments. Biul.eksp.biol. i med. 40 mo.9:78-79 S '55. (NLBA 8:12)

1. Is laboratorii fisiologii gasoobmena i teploobmena (sav. R.P. Ol'myanskaya) otdela obshchey fisiologii (sav.-prof. A.V.Rikkl') Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. (CARDIOVASCULAR SYSTEM, physiology, method & appar. for exclusion of circ. from internal organs in acute & chronic exper.)

REMA MEDICA Sec 3 Vol 12/11 Encocrinology Nov 58 2100. COMPLEX MECHANISM OF REFLEX REGULATION OF THE BLOOD SUGAR LEVEL FOLLOWING THE INTAKE OF FOOD IN ENDOCRINE DISORDERS OF THE PANCREAS (Russian text) - Kanfor I.S. All-Union Inst. of Exp. Med., USSR Acad. of Med. Scis, Leningrad - PROBL. EN-DOKR. 1957,32 (12-16) Illus. 3 Observations were made on patients suffering from mild or latent forms of diabetes. An average of 17.6% rise in blood sugar lasting for 3 hr. was found to have been caused by slow sucking (up to 1 hr.) of 15 g. saccharine chocolate. In the same group of patients rapid consumption of chocolate caused the amount of sugar in blood to rise slightly (by 7.4%) and then to fall after 2 hr., so that at the end of the investigation, it had fallen below the initial level. In a second group of patients with more severe diabetes slow consumption of chocolate led to a gradual reduction (an average of 5.2%) of the blood sugar level. It was demonstrated that in these patients the rapid consumption of chocolate again caused some rise in the blood sugar for the first few hours followed later by a reduction below the initial level (fall of 3.4%). The author considers that, on eating, patients with a marked or untreated diabetes show some disturbance of the complex mechanism of reflex stimulation - a mechanism which involves excitation of the oral receptors and causes an Lekishvili - Leningrad (S) increase of the blood sugar level.

KANFOR, I.S.

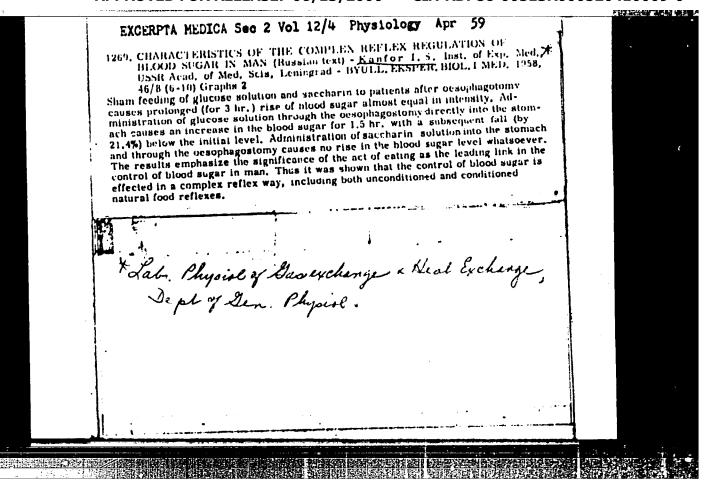
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Role of the pancreas in complex reflex regulation of carbohydrate metabolism [with summary in English] Biul. eksp. biol. i med. 43 no.2:22-26 F '57 (MLRA 10:5)

1. Is laboratorii fiziologii gozoobmena i teploobmena (zaveduyushchiy-professor R.P. Ol'nyanskaya) otdela obshchey fiziologii (zaveduyushchiy-professor A.V. (Rikkl') Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. Fredstavlena akademikom K.M. Bykovym. (PANCRHAS, physiology.

eff. of temporary exclusion on blood sugar in cats) (Rus) (BLOOD SUGAR.

eff. of temporary exclusion of pancreas in cats) (Rus)



KANFOR, I. S. Doc Med Soi -- (diss) "On earliered-reflex regulation of "We carbohydrate metabolism." Mos, 1959. 25 pp (Acad Med Sci USSR. Inst of Experimental Med AMN USSR), 250 copies, List of author's works at end of text (11 titles) (KL, 47-59, 116)

-38-

KANFOR, I.S.; VORONKOVA, A.A.

Complex reflex regulation of the blood sugar level in newborn infants. Pediatria 37 no.10:15-18 0 '59. (MIRA 13:2)

1. Is laboratorii fisiologii gasoobmena i teploobmena (saveduyushchiy - prof. R.P. Ol'nyanskaya) etdela obshchey fisiologii (saveduyushchiy - akademik K.M. Bykov [deceased]) Instituta eksperimental'noy meditsiny AMM SSSR i akushersko-ginekologicheskoy kliniki (saveduyushchiy - prof. K.W. Rabinovich) I Leningradskogo meditsinskogo instituta imeni I.P. Pavlova.

(INFANT MEMBORN physicl.)
(BLOOD SUGAR physicl.)

# Complex reflex effect of the act of eating on the lactic acid content of the blood. Fisiol.shur. 45 no.4:471-475 Ap '59. (MIRA 12:6) 1. From the laboratory of respiratory and heat exchange, department of general physiology, Institute of Experimental Medicine, Leningrad. (FOOD, eating, eff. on blood lactic acid (Rue)) (LACTIC ACID, in blood, eff. of eating (Rus))

# KANFOR, I.S.

Method for the bloodless determination of systolic arterial pressure and of vascular dilatation and contraction levels in white rate.

Biul. eksp. biol. med. 47 no.1:118-121 Ja 159. (MIRA 12:3)

1. Is laboratorii krovoobrashcheniya i dykhaniya (sav. - doktor biol. mauk N.I. Arinchin) otdela obshey fisiologii (sav. - prof. A.V. Rikkl' Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. Predstavlena akademikon K.M. Bykovym.

(BLOOD FREESURE, determ.

bloodless determ. of systolic pressure & vasodilatation & vasoconstriction in rats (Rus))

(BLOOD VESSELS,

vasodilatation & vasoconstriction, determ. in rate (Rms))

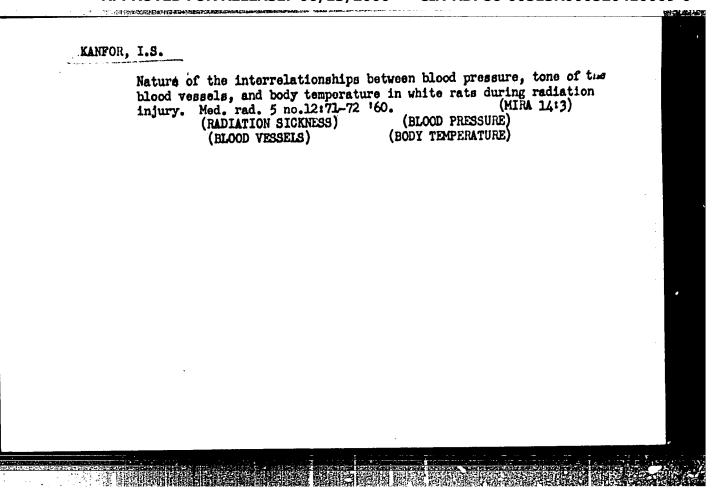
### KANFOR, I.S.

Effect of the stimulation of oral mechanics and chemoreceptors on carbohydrate metabolism. Biul. eksp. biol. i med. 47 no.4:24-27 Ap 159. (MIRA 12:7)

1. Iz laboratorii fiziologii gazoobmena i teploobmena (zav. - prof. R. P. Ol'nyenskaya) Otdela obshchey fiziologii (zav. - prof. A. V. Rikkl') Instituta eksperimental'noy meditsiny AMM SSS, Leningrad, Predstavlena deystvitel'nym chlenom AMM SSSR V. N. Chernigovskim.

(BLOOD SUGAR, physiol.

eff. of oral mechano- & chemoreceptor stimulation (Rus))
(MOUTH, physiol.
eff. of mechanical & chem. stimulation on blood sugar (Rus))



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**AUTHOR:** 

Kanfor, I.S.

TITLE

Arterial blood pressure in rats after whole body irradiation

PERIODICAL:

Meditsinskaya radiologiya, v. 7, no. 1, 1962, 70-72

TEXT: Albino rats (247) were subjected to a single whole body X-irradiation of 600, 800, and 1,000 r. 84 rats survived one month after irradiation. A decrease in the systolic pressure was observed soon after irradiation. The hypotensive reaction was directly dependent on the irradiation dose. Death of the animals occurred some days after the arterial pressure decreased below 40 mm Hg. The author favors the concept of G. F. Lang, that arterial blood pressure is an indicator of the general biological tonus of the organism, rather than of the state of the circulatory system alone. The study of the number of leukocytes in peripheral blood did not reveal essential differences between rats which died of radiation sickness and those which survived. Leukopenia was found to be only transient, even after a dose of 1000 r. The ability to maintain systolic pressure above 50-60 mm Hg, and the increase in the leukocyte count after its initial decrease, both indicate favorable progress of the radiation sickness.



Card 1/1

# KANFOR, I.S.

Role of distance signal stimuli in the regulation of carbohydrate metabolism in monkeys. Biul. eksp. biol. 1 med. 52 no.10:8-13 (MIRA 15:1)

1. Iz laboratorii fiziologii gazoobmena i teploobmena (zav. - prof. R.P.Ol'nyanskaya) otdela obshchey fiziologii (zav. - akademik K.M. Bykov [deceased]) Instituta eksperimental'noy meditsiny (dir. - chlen-korrespondent AMN SSSR prof. D.A.Biryukov) AMN SSSR, Leningrad. Predstavlena akademikom V.N.Chernigovskim.

(CARBOHYDRATE METABOLISM) (CONDITIONED MESPONSE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000520410009-0"

KANFOR, I.S.

Dynamics of arterial pressure after total-body irradiation of rats.
Med.rad. no.1: 0-72 \*62. (MIRA 15:1)
(RADIATION—PHYSIOLOGICAL EFFECT) (BLOOD PRESSURE)

THE RESERVE OF THE PROPERTY OF THE PARTY OF

### KANFOR, I.S.

Changes in the blood sugar level and body temperature in bats at rest and in flight. Opyt izuch. reg. fiziol. funk. 6:31-35
63
(MIRA 17:3)

1. Laboratoriya fiziologii gazoobmena ( zav. - prof. A.D. Slonim), otdel obshchey fiziologii ( zav. - prof. K.M. Bykov) Instituta eksperimental noy meditsiny AMN SSSR.

KANFOR, S.I., insh.

Kerameit-concrete made of local raw materials. Shor. trud. IUZHWII no.2:92-98 159. (MIMA 13:9)

1. Yushnyy nauchno-issledovatel'skiy institut po stroitel'stvu.
(Lightweight concrete)

